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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Elizabeth S. Stuart et al.

Art Unit : 1645

Serial No. : 09/827,490

Examiner : Vanessa L. Ford

Filed : April 6, 2001

Title : CHLAMYDIAL GLYCOLIPID VACCINES

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Commissioner for Patents
Washington, D.C. 20231

RESPONSE TO OFFICE ACTION DATED MARCH 26, 2002

Please amend the application as indicated below and consider the following remarks.

In the Specification:

Amend the paragraph at page 1, lines 22 to 27, as follows:

A' The invention is based on the discovery of an effective chlamydial vaccine based on oligosaccharides derived from one or more chlamydial glycolipids, such as the chlamydial glycolipid exoantigen (GLXA; see, e.g., U.S. Patent No. 5,840,297). These oligosaccharides, which are cleaved from naturally occurring glycolipids or chemically synthesized, are then covalently linked to a carrier group to form a composition that can be used as a chlamydia vaccine.

Amend the paragraph at page 6, lines 13 to 29, as follows:

A² Glycolipids from *Chlamydia* can be isolated by any method known in the art, or by the methods described below. For example, cells (e.g., McCoy cells [a mouse fibroblast cell line], the mouse macrophage cell line J774A.1, or HeLa 229 cells) can be infected with *Chlamydia trachomatis* (B serovar) *in vitro* at an MOI of 10. At 24 hours post-infection 100 U/ml of penicillin are added to increase production of GLXA into the supernatant. GLXA is a

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